

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

Studien 282-KGB

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/831566

INTERNATIONAL APPLICATION NO.
PCT/EP99/08594INTERNATIONAL FILING DATE
9 November 1999PRIORITY DATE CLAIMED
13 November 1998

TITLE OF INVENTION

WATER-SOLUBLE NANOSTRUCTURED METAL-OXIDE COLLOIDS AND METHOD FOR PREPARING SAME

APPLICANT(S) FOR DO/EO/US

Manfred T. REETZ and Michael Georg KOCH

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. A copy of the International Search Report (PCT/ISA/210).
8. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
9. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 13 to 20 below concern document(s) or information included:

13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. A **FIRST** preliminary amendment.
16. A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. A substitute specification.
18. A change of power of attorney and/or address letter.
19. Certificate of Mailing by Express Mail
20. Other items or information:

Combined Declaration and Power of Attorney

Copy of PCT/EP99/08594 WO 00/29332

Form PCT/IPEA/416

Letter dated 8 January 2001

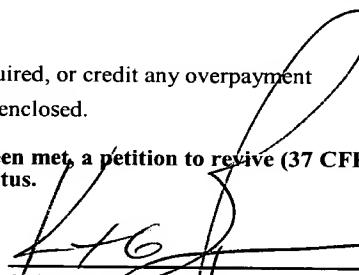
PCT Chapter II Demand

Notification of Transmittal of the International Search Report (Form PCT/ISA/220)

Copy of Receipt for Documents

Copy of PCT Request

Copy of Application (German)

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492(e)) 09/831566	INTERNATIONAL APPLICATION NO. PCT/EP99/08594	ATTORNEY'S DOCKET NUMBER Studien 282-KGB												
<p>21. The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"><input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO</td> <td style="width: 20%; text-align: right; padding: 5px;">\$1,000.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO</td> <td style="text-align: right; padding: 5px;">\$860.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO</td> <td style="text-align: right; padding: 5px;">\$710.00</td> </tr> <tr> <td><input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right; padding: 5px;">\$690.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right; padding: 5px;">\$100.00</td> </tr> </table>			<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$1,000.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$860.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$710.00	<input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$690.00	<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)	\$100.00		
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CALCULATIONS PTO USE ONLY														
ENTER APPROPRIATE BASIC FEE AMOUNT = \$690.00														
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"><input type="checkbox"/> 20</td> <td style="width: 20%; text-align: right; padding: 5px;">\$0.00</td> </tr> <tr> <td><input type="checkbox"/> 30</td> <td style="text-align: right; padding: 5px;">\$0.00</td> </tr> </table>			<input type="checkbox"/> 20	\$0.00	<input type="checkbox"/> 30	\$0.00								
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">CLAIMS</th> <th style="width: 25%;">NUMBER FILED</th> <th style="width: 25%;">NUMBER EXTRA</th> <th style="width: 25%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>25 - 20 =</td> <td>5</td> <td style="text-align: right;">x \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td style="text-align: right;">x \$80.00</td> </tr> </tbody> </table>			CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	25 - 20 =	5	x \$18.00	Independent claims	1 - 3 =	0	x \$80.00
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Total claims	25 - 20 =	5	x \$18.00											
Independent claims	1 - 3 =	0	x \$80.00											
<p>Multiple Dependent Claims (check if applicable).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"><input type="checkbox"/></td> <td style="width: 20%; text-align: right; padding: 5px;">\$0.00</td> </tr> </table>			<input type="checkbox"/>	\$0.00										
<input type="checkbox"/>	\$0.00													
TOTAL OF ABOVE CALCULATIONS = \$780.00														
<p>Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="width: 20%; text-align: right; padding: 5px;">\$390.00</td> </tr> </table>			<input checked="" type="checkbox"/>	\$390.00										
<input checked="" type="checkbox"/>	\$390.00													
SUBTOTAL = \$390.00														
<p>Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"><input type="checkbox"/> 20</td> <td style="width: 20%; text-align: right; padding: 5px;">\$0.00</td> </tr> <tr> <td><input type="checkbox"/> 30</td> <td style="text-align: right; padding: 5px;">\$0.00</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">+</td> </tr> </table>			<input type="checkbox"/> 20	\$0.00	<input type="checkbox"/> 30	\$0.00	+							
<input type="checkbox"/> 20	\$0.00													
<input type="checkbox"/> 30	\$0.00													
+														
TOTAL NATIONAL FEE = \$390.00														
<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"><input type="checkbox"/></td> <td style="width: 20%; text-align: right; padding: 5px;">\$0.00</td> </tr> </table>			<input type="checkbox"/>	\$0.00										
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TOTAL FEES ENCLOSED = \$0.00														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"></td> <td style="width: 20%; text-align: right; padding: 5px;">Amount to be: \$</td> </tr> <tr> <td><input type="checkbox"/></td> <td style="text-align: right; padding: 5px;">refunded</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td style="text-align: right; padding: 5px;">charged \$ 390.00</td> </tr> </table>			Amount to be: \$	<input type="checkbox"/>	refunded	<input checked="" type="checkbox"/>	charged \$ 390.00							
	Amount to be: \$													
<input type="checkbox"/>	refunded													
<input checked="" type="checkbox"/>	charged \$ 390.00													
<p><input type="checkbox"/> A check in the amount of to cover the above fees is enclosed.</p> <p><input checked="" type="checkbox"/> Please charge my Deposit Account No. 14-1263 in the amount of \$390.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 14-1263 A duplicate copy of this sheet is enclosed.</p>														
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>														
<p>SEND ALL CORRESPONDENCE TO:</p> <div style="border: 1px solid black; padding: 5px; width: 100%;"> <p>Kurt G. Briscoe Norris McLaughlin & Marcus 220 East 42nd Street - 30th Floor New York, New York 10017 (212) 808-0700</p> </div>														
 SIGNATURE Kurt G. Briscoe NAME 33,141 REGISTRATION NUMBER May 10, 2001 DATE														

09/831566

JC08 Rec'd PCT/PTO 10 MAY 2001

Studien 282-KGB

EXPRESS MAIL CERTIFICATE

“Express Mail” mailing label number EL 728911669 US
Date of Deposit May 10, 2001

I hereby certify that the following items:

- 1) Transmittal Letter to the US Designated/Elected Office (DO/EO/US)
Concerning a Filing Under 35 USC 371 (2 Pages) (duplicate)
- 2) Preliminary Amendment
- 3) Recordation Form Cover Sheet (2 Pages) (duplicate)
- 4) Assignment (2 Pages)
- 5) Combination Declaration & Power of Attorney (2 Pages)
- 6) Copy of International Search Report
- 7) Application consisting of a) Specification (Pages 1-22)
b) 20 Claims (Pages 23-26)
c) Abstract (Page 27)
- 8) Copy of PCT/EP99/08594 WO 00/29332
- 9) Form PCT/IPEA/416
- 10) Letter dated 8 January 2001
- 11) PCT Chapter II Demand
- 12) Notification of Transmittal of the International Search Report
- 13) Copy of Receipt for Documents
- 14) Copy of Application (German)

are being deposited with the United States Postal Services “Express Mail Post Office to Addressee” service under 37 CFR 1.10 on the date indicated above and is addressed to the:
Hon. Commissioner for Patents, Washington, D.C. 20231, Box PCT.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By

